

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-299872

(43)Date of publication of application : 25.11.1997

(51)Int.Cl.

B05D 5/06

B05D 1/38

(21)Application number : 08-159288

(71)Applicant : YAMAHA MOTOR CO LTD  
KANSAI PAINT CO LTD

(22)Date of filing : 14.05.1996

(72)Inventor : WAKABAYASHI SOICHI

## (54) STRUCTURE OF METALLIC COATING FILM AND FORMATION OF METALLIC COATING FILM

## (57)Abstract:

PROBLEM TO BE SOLVED: To obtain a metallic coating film with an appearance of high brightness by laminating the metallic coating film lacking in hiding with a specific light permeability coefficient on a grey undercoat with a specific light, in the metallic coating film containing a bright material on the grey undercoat.

SOLUTION: In the structure of a metallic coating film consisting of the metallic coating film containing a bright material laminated on a grey undercoat, the light(L value) of the grey undercoat is set to the range of L value +40 or less of a desired metallic coating film. In addition, the metallic coating film contains 1% of bright material in terms of pigment volumetric density and has a color lacking in hiding showing a light permeability coefficient of 10-25% by measurement in the wavelength range of a desired metallic coating film color of wavelength 400-700nm at the thickness of a 5µm dry film which is adequate for forming a continuous coating film. The minimum dry film thickness of this metallic coating film is preferably set to the range of 5µm. Further, a color clear coating film is preferably laminated on the coating film.

## LEGAL STATUS

[Date of request for examination]

27.02.2003

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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